

RECEIVED

MAR 08 2002

TECH CENTER 1600/2900

SEQUENCE LISTING



<110> Michael Dahm
Robert C. Phelps
Carsten Brockmeyer

<120> Method for the quantitative determination of tumor cells
in a body fluid and test kits suitable therefor

<130>

<140> PCT/EP99/00716

<141> 1999-02-03

<150> DE 198 04 372.4

<151> 1998-02-04

<160> 10

<170> PADAT Sequenzmodul, Version 1.0

<210> 1
<211> 34
<212> DNA
<213> Homo sapiens
<220>
<223>
<400> 1

ctaccggaag agtgtctgga gcaagttgca aagc

34

<210> 2
<211> 30
<212> DNA
<213> Homo sapiens
<220>
<223>
<400> 2

ggcataccga cgcacgcagt acgtgttctg

30

<210> 3
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223>
<400> 3

accagaggt tctttgagtc

20

<210> 4
<211> 20
<212> DNA
<213> Homo sapiens
<220>
<223>
<400> 4

tctgataggc agcctgcact

20

<210> 5
<211> 24

<212> DNA
 <213> Homo sapiens
 <220>
 <223>
 <400> 5

gatgatgata tcgccgcgct cgtc 24

<210> 6
 <211> 25
 <212> DNA
 <213> Homo sapiens
 <220>
 <223>
 <400> 6

ctcaaacatg atctgggtca tcttc 25

<210> 7
 <211> 28
 <212> DNA
 <213> Homo sapiens
 <220>
 <223>
 <400> 7

gaggtcgctg tgtttgagcc atcagaag 28

<210> 8
 <211> 27
 <212> DNA
 <213> Homo sapiens
 <220>
 <223>
 <400> 8

gatctcatag aggatggtgg cagacag 27

<210> 9
 <211> 24
 <212> DNA
 <213> Homo sapiens
 <220>
 <223>
 <400> 9

cgttctggct cccacgacgt agtc 24

<210> 10
 <211> 4015
 <212> DNA
 <213> Homo sapiens
 <220>
 <223>
 <400> 10

gcagcgctgc	gtcctgctgc	gcacgtggga	agccctggcc	ccggccaccc	ccgcgatgcc	60
gcgcgctccc	cgctgccgag	ccgtgcgctc	cctgctgcgc	agccactacc	gcgagggtgct	120
gccgctggcc	acgttcgtgc	ggcgccctggg	gccccagggc	tggcggctgg	tgcagcgcg	180
ggaccggcg	gctttccgcg	cgctgggtggc	ccagtgcctg	gtgtgcgtgc	cctggggacgc	240
acggccgccc	cccgcgcgcc	cctccttccg	ccaggtgtcc	tgctgaagg	agctggtggc	300
ccgagtgtgc	cagaggctgt	gcgagcgcg	cgcaagaac	gtgctggcct	tcggcttcgc	360
gctgtgtgac	ggggcccgcg	ggggccccc	cgaggccttc	accaccagcg	tgcgcagcta	420
cctgcccaac	acggtgaccg	acgcactgcg	ggggagcggg	gcgtgggggc	tgctgctgcg	480
ccgcgtgggc	gacgacgtgc	tggttcacct	gctggcacgc	tgcgcgctct	ttgtgctggt	540

ggctcccagc	tgcgcctacc	agggtgtgcgg	gccgccgctg	taccagctcg	gcgctgccac	600
tcaggcccgg	cccccgccac	acgctagtgg	accccggaagg	cgtctgggat	gcgaacgggc	660
ctggaaccat	agcgtcaggg	aggccgggggt	ccccctgggc	ctgccagccc	cgggtgcgag	720
gaggcgcggg	ggcagtgcca	gccgaagtct	gccgttgccc	aagaggccca	ggcgtggcgc	780
tgcccctgag	ccggagcgga	cgcccgttgg	gcaggggtcc	tgggcccacc	cgggcaggac	840
gcgtggaccg	agtgaccgtg	gtttctgtgt	ggtgtcacct	gccagaccgc	ccgaagaagc	900
cacctctttg	gagggtgcgc	tctctggcac	gcgccactcc	cacccatccg	tgggcccgcca	960
gcaccacgcg	ggccccccat	ccacatcgcg	gccaccacgt	ccctgggaca	cgctttgtcc	1020
cccgggtgtac	gccgagacca	agcacttcct	ctactcctca	ggcgacaagg	agcagctgcg	1080
gccctccttc	ctactcagct	ctctgaggcc	cagcctgact	ggcgctcgga	ggctcgtgga	1140
gaccatcttt	ctgggttcca	ggccctggat	gccagggact	ccccgcaggt	tgccccgcct	1200
gccccagcgc	tactggcaaa	tgccggccct	gtttctggag	ctgcttggga	accacgcgca	1260
gtgcccctac	ggggtgctcc	tcaagacgca	ctgcccgtcg	cgagctgcgg	tcaccccagc	1320
agccggtgtg	tgtgcccggg	agaagcccca	gggctctgtg	gcggcccccg	aggaggagga	1380
cacagacccc	cgtcgccctg	tgcagctgct	ccgccagcac	agcagccctt	ggcaggtgta	1440
cggtctcgtg	cgggcctgcc	tgcccggtct	ggcgcccgca	ggcctctggg	gctccaggca	1500
caacgaacgc	cgcttctctca	ggaacaccaa	gaagttcatc	tccctgggga	agcatgccaa	1560
gctctcgctg	caggagctga	cgtggaagat	gagcgtgcgg	gactgcgctt	ggctgcgcag	1620
gagcccaggg	gttggctgtg	ttccggccgc	agagcacctg	ctgcgtgagg	agatcctggc	1680
caagttcctg	cactggctga	tgagtgtgta	cgctcgtcag	ctgctcaggt	ctttctttta	1740
tgtcacggag	accacgtttc	aaaagaacag	gctcttttcc	taccggaaga	gtgtctggag	1800
caagttgcaa	agcattggaa	tcagacagca	cttgaagagg	gtgcagctgc	gggagctgtc	1860
ggaagcagag	gtcaggcagc	atcggaagc	caggcccgcc	ctgctgacgt	ccagactccg	1920
cttcatcccc	aagcctgacg	ggctgcggcc	gattgtgaac	atggactacg	tcgtgggagc	1980
cagaacgttc	cgcagagaaa	agaggccga	gcgtctcacc	tcgaggggtg	aggcactggt	2040
cagcgtgctc	aactacgagc	gggcgcggcg	ccccggcctc	ctgggcgcct	ctgtgctggg	2100
cctggacgat	atccacaggg	cctggcgcac	cttcgtgctg	cgtgtgcggg	cccaggaccc	2160
gccgcctgag	ctgtactttg	tcaaggtgga	tgtgacgggc	gcgtacgaca	ccatccccc	2220
ggacaggttc	acggaggtca	tcgccagcat	catcaaacc	cagaacacgt	actgcgtgcg	2280
tcggtatgcc	gtgggtccaga	aggccgcccc	tgggcacgtc	cgcaaggcct	tcaagagcca	2340
cgtctctacc	ttgacagacc	tccagccgta	catgcgacag	ttcgtggctc	acctgcagga	2400
gaccagcccc	ctgagggatg	ccgtcgtcat	cgagcagagc	tcctccctga	atgaggccag	2460
cagtggcctc	ttcgacgtct	tcctacgctt	catgtgccac	cacgcctgtc	gcacagggg	2520
caagtcctac	gtccagtgcc	aggggatccc	caggggtccc	atcctctcca	cgctgctctg	2580
cagcctgtgc	tacggcgaca	tggagaacaa	gctgtttgcg	gggattcggc	gggacgggct	2640
gctcctgctg	ttgggtggatg	atctcttgtt	ggtgacacct	cacctcacc	acgcgaaaac	2700
cttcctcagg	accctgggtcc	gaggtgtccc	tgagtatggc	tgcgtgggtg	acttgccgaa	2760
gacagtgggtg	aacttccctg	tagaagacga	ggccctgggt	ggcacggctt	ttgttcagat	2820
gccggcccc	ggcctattcc	cctggtgcgg	cctgctgctg	gatacccgga	ccctggaggt	2880
gcagagcgac	tactccagct	atgcccggac	ctccatcaga	gccagtctca	ccttcaaccg	2940
cggcttcaag	gctgggagga	acatgcgtcg	caaactcttt	ggggtcttgc	ggctgaagtg	3000
tcacagcctg	tttctggatt	tgcaggtgaa	cagcctccag	acggtgtgca	ccaacatcta	3060
caagatcctc	ctgctgcagg	cgtacaggtt	tcacgcattg	gtgctgcage	tccattttca	3120
tcagcaagtt	tggagaagacc	ccacattttt	cctgcgcgtc	atctctgaca	cggcctccct	3180
ctgctactcc	atcctgaaag	ccaagaacgc	agggatgtcg	ctggggggcca	agggcgccgc	3240
cggccctctg	ccctccgagg	ccgtgcagtg	gctgtgccac	caagcattcc	tgctcaagct	3300
gactcgacac	cgtgtcacct	acgtgccact	cctgggggtca	ctcaggacag	cccagacgca	3360
gctgagtcgg	aagctcccgg	ggacgacgct	gactgccctg	gaggccgcag	ccaacccggc	3420
actgccctca	gacttcaaga	ccatcctgga	ctgatggcca	cccggcccaca	gccagccgga	3480
gagcagacac	cagcagccct	gtcacgcccg	gctctacgtc	ccagggaggg	aggggcccgc	3540
cacacccagg	cccgcaccgc	tgggagtgctg	aggcctgagt	gagtgtttgg	ccgagggcctg	3600
catgtcccgc	tgaaggctga	gtgtccggct	gaggcctgag	cgagtgtcca	gccaagggct	3660
gagtgtccag	cacacctgcc	gtcttcaactt	ccccacaggc	tggcgctcgg	ctccacccca	3720
gggccagctt	ttcctcacca	ggagcccggc	ttccactccc	cacataggaa	tagtccatcc	3780
ccagattcgc	cattgttcac	ccctcgccct	gccctccttt	gccttccacc	cccaccatcc	3840
aggtggagac	cctgagaagg	accctgggag	ctctgggaat	ttggagtga	caaaggtgtg	3900
ccctgtacac	aggcgaggac	cctgcacctg	gatgggggtc	cctgtgggtc	aaattggggg	3960
gaggtgctgt	gggagtaaaa	tactgaatat	atgagttttt	cagttttgaa	aaaaa	4015